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## EUROPEAN PATENT APPLICATION

⑬ Application number: 91108899.5

⑭ Date of filing: 31.05.91

⑮ Int. Cl. 5: H01S 3/08, H01S 3/106,  
H01S 3/134, H01S 3/136,  
G02B 27/28, H01S 3/225

⑯ Priority: 01.06.90 JP 143448/90

⑰ Date of publication of application:  
04.12.91 Bulletin 91/49

⑱ Designated Contracting States:  
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

⑲ Date of deferred publication of the search report:  
29.04.92 Bulletin 92/18

⑳ Applicant: MITSUI PETROCHEMICAL  
INDUSTRIES, LTD.  
2-5, Kasumigaseki 3-chome Chiyoda-ku  
Tokyo(JP)

㉑ Inventor: Terada, Mitsugu, c/o Mitsui  
Petrochem. Ind. Ltd.  
580-32, Aza-Taku 2-gou, Nagaura  
Sodegaura-shi, Chiba(JP)  
Inventor: Ohmata, Ken, c/o Mitsui Petrochem.  
Ind. Ltd.  
580-32, Aza-Taku 2-gou, Nagaura

Sodegaura-shi, Chiba(JP)

Inventor: Uehara, Michito, c/o Mitsui  
Petrochem. Ind. Ltd.

580-32, Aza-Taku 2-gou, Nagaura

Sodegaura-shi, Chiba(JP)

Inventor: Shibata, Hideaki, c/o Mitsui  
Petrochem. Ind. Ltd.

580-32, Aza-Taku 2-gou, Nagaura

Sodegaura-shi, Chiba(JP)

Inventor: Oeda, Yasuo, c/o Mitsui Petrochem.  
Ind. Ltd.

580-32, Aza-Taku 2-gou, Nagaura

Sodegaura-shi, Chiba(JP)

Inventor: Terashi, Yuichiro, c/o Mitsui  
Petrochem. Ind. Ltd.

580-32, Aza-Taku 2-gou, Nagaura

Sodegaura-shi, Chiba(JP)

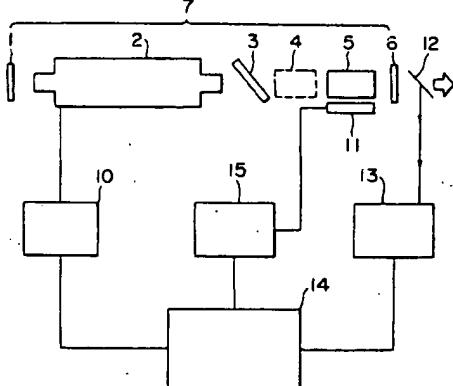
㉒ Representative: Ritter und Edler von Fischern,  
Bernhard, Dipl.-Ing. et al  
HOFFMANN - EITLE & PARTNER  
Arabellastrasse 4  
W-8000 München 81(DE)

㉓ Narrow band excimer laser apparatus.

㉔ Within a resonator (7), a polarizer (3) for linearly polarizing an oscillation laser beam is provided and a birefringence filter (5) for forming the oscillation laser beam into narrow band is arranged.

Accordingly, in forming an excimer laser into narrow band, no possible damage of an optical system is present, an oscillation output is not lowered, and a laser of high efficiency can be provided.

FIG.1





DOCUMENTS CONSIDERED TO BE RELEVANT					
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)		
Y	PATENT ABSTRACTS OF JAPAN vol. 12, no. 322 (E-652)(3169) 31 August 1988 & JP-A-63 086 588 (KOMATSU) 16 April 1988 * abstract * - - -	1-5,10	H 01 S 3/08 H 01 S 3/106 H 01 S 3/134 H 01 S 3/136 G 02 B 27/28 H 01 S 3/225		
Y	APPLIED OPTICS vol. 19, no. 5, 1 March 1980, NEW-YORK pages 702 - 710; D.R.PREUSS ET AL.: 'TREE-STAGE BIREFRINGENT FILTER TUNING SMOOTHLY OVER THE VISIBLE REGION:THEORETICAL TREATMENT AND EXPERIMENTAL DESIGN' * abstract * CONSTRUCTION AND PERFORMANCE OF A TREE-STAGE BIREFRINGENT FILTER * page 707, left column, paragraph 5 - page 707, right column; figures 7,8 * - - -	1,4,5			
Y	US-A-3 560 875 (J.A.MACKEN) * abstract * * column 4, line 66 - column 5, line 27; figures 1-9 * - - -	1,10			
Y	US-A-4 674 098 (R.TURNER) * abstract; table 1 * - - -	2,3			
A	OPTICS LETTERS vol. 14, no. 8, 15 April 1989, WASHINGTON pages 393 - 395; J.S.KRASINSKY ET AL.: 'BIREFRINGENCE OF SOLID-STATE LASER MEDIA:BROADBEND TUNING DISCONTINUITIES AND APPLICATION TO LASER LINE NARROWING' * the whole document * - - - -	1	TECHNICAL FIELDS SEARCHED (Int. Cl.5)  H 01 S G 02 B		
The present search report has been drawn up for all claims					
Place of search	Date of completion of search	Examiner			
The Hague	25 February 92	MALIC K.			
CATEGORY OF CITED DOCUMENTS					
X: particularly relevant if taken alone	E: earlier patent document, but published on, or after the filing date				
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A: technological background	L: document cited for other reasons				
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P: Intermediate document	.....				
T: theory or principle underlying the invention	S: member of the same patent family, corresponding document				